

Math Packets

White Belt — every skill, every day

RiddleRaven

earn your shinies

book 01, days 1 to 10

For the parents

This book is 10 days of White Belt math. Every day shows every one of the 40 skills on the belt, one problem each, so nothing gets forgotten while something else is learned. The numbers are freshly rolled every day.

The quick facts at the top are the calculation skills, two apiece. These should come straight from the head onto the line, no working out. Counting on fingers here is the sign to drill those facts more often.

Everything under the strip is show-your-work. The box is not decoration: ask your child to write what they did, even for the easy ones. The answer line comes last.

The answer key is the last page of every day, with the skill named next to each answer, so a run of misses of the same kind stands out at once. A clean day is every answer right first time.

A day is one sitting. Six pages sounds like a lot, and it is meant to be: this is the book for a child who is quick and needs the whole belt in front of them daily.

Day 1 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 1 every skill, one problem each. Show your work in the box.**Quick facts** straight from your head onto the line

1. $4 + 9 =$ _____ 2. $3 + 6 =$ _____ 3. $10 - 4 =$ _____ 4. $5 - 3 =$ _____
5. $9 \times 9 =$ _____ 6. $8 \times 8 =$ _____ 7. $45 \div 5 =$ _____ 8. $35 \div 5 =$ _____
9. $55 + 15 =$ _____ 10. $50 + 16 =$ _____ 11. $54 - 36 =$ _____ 12. $49 - 14 =$ _____
13. $70 \times 3 =$ _____ 14. $90 \times 3 =$ _____ 15. Double 33 = _____ 16. Double 22 = _____
17. 5 hours 30 minutes = ____ minutes _____ 18. 2 hours = ____ minutes _____
19. Round 446 to the nearest ten: ____ nearest hundred: _____
20. Round 373 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 8, 9 and 72.

Answer: _____

Leftovers after sharing

22. Kestra shares 53 pebbles among 6 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Vanta has 4 hats and 4 scarves. How many different hat-and-scarf outfits can Vanta wear?

Answer: _____

Skip counting equal groups

24. How many 4s make 28?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 2, 4, 8, 16, _____, _____

Answer: _____

Kangaroo puzzles

26. Kestra writes every number from 1 to 43. How many times does Kestra write the digit 3?

Answer: _____

Adding 3-digit numbers

27. Add.

$$\begin{array}{r} 654 \\ + 237 \\ \hline \end{array}$$

Subtracting 3-digit numbers

28. Subtract.

$$\begin{array}{r} 530 \\ - 393 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit

29. Multiply.

$$\begin{array}{r} 59 \\ \times 6 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit

30. Divide: $105 \div 7 =$

Answer: _____

Adding 2-digit numbers

31. Kestra gathers 53 buttons and Ozzo gathers 26 more. How many buttons do they have together?

Answer: _____

Subtracting 2-digit numbers

32. Pip has 76 feathers and gives 44 away. How many feathers are left?

Answer: _____

How many more or fewer

33. Ozzo found 56 feathers; Ozzo found 43. How many more feathers did Ozzo find than Ozzo?

Answer: _____

Multiplying equal groups

34. Pip fills 7 baskets with 6 feathers in each basket. How many feathers in all?

Answer: _____

Sharing equally

35. Ozzo shares 15 pebbles equally among 3 friends. How many pebbles does each friend get?

Answer: _____

Doubling and halving

36. Pip has 22 pebbles. After a lucky day, the pile doubles. How many pebbles now?

Answer: _____

Adding and subtracting minutes

37. Ozzo practises the flute for 30 minutes before lunch and 15 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Kestra fills 6 bags with 4 berries each, then finds 13 more. How many berries does Kestra have?

Answer: _____

Times tables in word problems

39. Ozzo reads 6 pages every day for 9 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Ozzo puts 63 acorns into rows of 9. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $4 \times 7 + 17$.

Answer: _____

Money problems and change

42. Ozzo buys 3 candles at 8 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Ozzo cuts 4 ribbons, each 45 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Bram starts reading at 1:10. The story takes 50 minutes. What time does Bram finish?

Answer: _____

Area of a rectangle

45. A rectangle is 10 cm long and 7 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 10 cm long and 7 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $___ + 222 = 872$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: 5×8 $___$ $54 - 16$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 21, 25, 29, 33, $___$, $___$

Answer: _____

Balancing both sides

50. Balance both sides: $3 + 5 = 3 + ___$

Answer: _____

Day 1 answer key

for the parent. All 50 right is a clean day.

1. 13 Addition facts
2. 9 Addition facts
3. 6 Subtraction facts
4. 2 Subtraction facts
5. 81 Times-table facts
6. 64 Times-table facts
7. 9 Division facts
8. 7 Division facts
9. 70 2-digit addition in your head
10. 66 2-digit addition in your head
11. 18 2-digit subtraction in your head
12. 35 2-digit subtraction in your head
13. 210 Multiplying multiples of ten
14. 270 Multiplying multiples of ten
15. 66 Doubling 2-digit numbers
16. 44 Doubling 2-digit numbers
17. 330 Hours into minutes
18. 120 Hours into minutes
19. 450 and 400 Rounding to tens and hundreds
20. 370 and 400 Rounding to tens and hundreds
21. $8 \times 9 = 72$, $9 \times 8 = 72$, $72 \div 8 = 9$, $72 \div 9 = 8$ Fact families
22. 8 each, 5 left over Leftovers after sharing
23. 16 Counting combinations
24. 7 Skip counting equal groups
25. 32, 64 Growing and doubling patterns
26. 15 Kangaroo puzzles
27. 891 Adding 3-digit numbers
28. 137 Subtracting 3-digit numbers
29. 354 Multiplying 2-digit by 1-digit
30. 15 Dividing 2-digit by 1-digit
31. 79 Adding 2-digit numbers
32. 32 Subtracting 2-digit numbers
33. 13 How many more or fewer
34. 42 Multiplying equal groups
35. 5 Sharing equally
36. 44 Doubling and halving
37. 45 Adding and subtracting minutes
38. 37 ($6 \times 4 = 24$, $+13$) Two-step story problems
39. 54 Times tables in word problems
40. 7 Sharing and making equal groups
41. 45 Multiply then add or subtract
42. 26 ($3 \times 8 = 24$) Money problems and change
43. 180 cm Multiplying a measurement
44. 2:00 Elapsed time on a clock
45. 70 square cm Area of a rectangle
46. 34 cm Perimeter of a rectangle
47. 650 Missing number puzzles
48. $>$ Choosing the faster strategy
49. 37, 41 Number patterns and skip counting
50. 5 Balancing both sides

Day 2 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 2

 every skill, one problem each. Show your work in the box.

Quick facts straight from your head onto the line

1. $8 + 8 =$ _____ 2. $6 + 7 =$ _____ 3. $9 - 4 =$ _____ 4. $14 - 9 =$ _____
5. $5 \times 5 =$ _____ 6. $2 \times 7 =$ _____ 7. $16 \div 2 =$ _____ 8. $35 \div 5 =$ _____
9. $62 + 15 =$ _____ 10. $62 + 20 =$ _____ 11. $56 - 31 =$ _____ 12. $39 - 24 =$ _____
13. $20 \times 6 =$ _____ 14. $90 \times 3 =$ _____ 15. Double 39 = _____ 16. Double 31 = _____
17. 4 hours = ____ minutes _____ 18. 5 hours = ____ minutes _____
19. Round 888 to the nearest ten: ____ nearest hundred: _____
20. Round 194 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 4, 9 and 36.

Answer: _____

Leftovers after sharing

22. Kestra shares 39 shinies among 5 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Ozzo has 2 hats and 4 scarves. How many different hat-and-scarf outfits can Ozzo wear?

Answer: _____

Skip counting equal groups

24. How many 3s make 21?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 2, 4, 8, 16, _____, _____

Answer: _____

Kangaroo puzzles

26. Pip writes every number from 1 to 53. How many times does Pip write the digit 3?

Answer: _____

Adding 3-digit numbers**27.** Add.

$$\begin{array}{r} 377 \\ + 844 \\ \hline \end{array}$$

Subtracting 3-digit numbers**28.** Subtract.

$$\begin{array}{r} 924 \\ - 609 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit**29.** Multiply.

$$\begin{array}{r} 72 \\ \times 9 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit**30.** Divide: $54 \div 3 =$ **Answer:** _____**Adding 2-digit numbers****31.** Ozzo gathers 48 acorns and Pip gathers 17 more. How many acorns do they have together?**Answer:** _____**Subtracting 2-digit numbers****32.** Ozzo has 59 berries and gives 32 away. How many berries are left?**Answer:** _____**How many more or fewer****33.** Pip found 67 shinies; Twig found 54. How many more shinies did Pip find than Twig?**Answer:** _____**Multiplying equal groups****34.** Kestra fills 4 baskets with 8 acorns in each basket. How many acorns in all?**Answer:** _____**Sharing equally****35.** Kestra shares 44 shinies equally among 4 friends. How many shinies does each friend get?**Answer:** _____**Doubling and halving****36.** Bram has 28 feathers and trades away half. How many feathers are left?**Answer:** _____

Adding and subtracting minutes

37. Pip practises the flute for 15 minutes before lunch and 10 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Bram fills 4 bags with 6 feathers each, then finds 8 more. How many feathers does Bram have?

Answer: _____

Times tables in word problems

39. Vanta reads 6 pages every day for 7 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Bram puts 48 acorns into rows of 8. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $5 \times 5 - 22$.

Answer: _____

Money problems and change

42. Pip buys 6 candles at 5 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Ozzo cuts 6 ribbons, each 20 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Kestra starts reading at 6:10. The story takes 50 minutes. What time does Kestra finish?

Answer: _____

Area of a rectangle

45. A rectangle is 10 cm long and 3 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 14 cm long and 3 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $___ + 226 = 557$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: $4 \times 6 ___ 38 - 16$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 21, 25, 29, 33, $___$, $___$

Answer: _____

Balancing both sides

50. Balance both sides: $7 + 5 = 7 + ___$

Answer: _____

Day 2 answer key

for the parent. All 50 right is a clean day.

- | | | | |
|---|----------------------------------|-------------------------------------|-----------------------------------|
| 1. 16 | Addition facts | 26. 16 | Kangaroo puzzles |
| 2. 13 | Addition facts | 27. 1221 | Adding 3-digit numbers |
| 3. 5 | Subtraction facts | 28. 315 | Subtracting 3-digit numbers |
| 4. 5 | Subtraction facts | 29. 648 | Multiplying 2-digit by 1-digit |
| 5. 25 | Times-table facts | 30. 18 | Dividing 2-digit by 1-digit |
| 6. 14 | Times-table facts | 31. 65 | Adding 2-digit numbers |
| 7. 8 | Division facts | 32. 27 | Subtracting 2-digit numbers |
| 8. 7 | Division facts | 33. 13 | How many more or fewer |
| 9. 77 | 2-digit addition in your head | 34. 32 | Multiplying equal groups |
| 10. 82 | 2-digit addition in your head | 35. 11 | Sharing equally |
| 11. 25 | 2-digit subtraction in your head | 36. 14 | Doubling and halving |
| 12. 15 | 2-digit subtraction in your head | 37. 25 | Adding and subtracting minutes |
| 13. 120 | Multiplying multiples of ten | 38. 32 ($4 \times 6 = 24$, $+8$) | Two-step story problems |
| 14. 270 | Multiplying multiples of ten | 39. 42 | Times tables in word problems |
| 15. 78 | Doubling 2-digit numbers | 40. 6 | Sharing and making equal groups |
| 16. 62 | Doubling 2-digit numbers | 41. 3 | Multiply then add or subtract |
| 17. 240 | Hours into minutes | 42. 20 ($6 \times 5 = 30$) | Money problems and change |
| 18. 300 | Hours into minutes | 43. 120 cm | Multiplying a measurement |
| 19. 890 and 900 | Rounding to tens and hundreds | 44. 7:00 | Elapsed time on a clock |
| 20. 190 and 200 | Rounding to tens and hundreds | 45. 30 square cm | Area of a rectangle |
| 21. $4 \times 9 = 36$, $9 \times 4 = 36$, $36 \div 4 = 9$, $36 \div 9 = 4$ | Fact families | 46. 34 cm | Perimeter of a rectangle |
| 22. 7 each, 4 left over | Leftovers after sharing | 47. 331 | Missing number puzzles |
| 23. 8 | Counting combinations | 48. $>$ | Choosing the faster strategy |
| 24. 7 | Skip counting equal groups | 49. 37, 41 | Number patterns and skip counting |
| 25. 32, 64 | Growing and doubling patterns | 50. 5 | Balancing both sides |

Day 3 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 3

 every skill, one problem each. Show your work in the box.

Quick facts straight from your head onto the line

1. $6 + 8 =$ _____ 2. $5 + 5 =$ _____ 3. $12 - 3 =$ _____ 4. $6 - 4 =$ _____
5. $9 \times 4 =$ _____ 6. $6 \times 3 =$ _____ 7. $28 \div 7 =$ _____ 8. $49 \div 7 =$ _____
9. $42 + 28 =$ _____ 10. $54 + 18 =$ _____ 11. $59 - 17 =$ _____ 12. $64 - 30 =$ _____
13. $60 \times 9 =$ _____ 14. $40 \times 7 =$ _____ 15. Double 44 = _____ 16. Double 16 = _____
17. 4 hours = ____ minutes _____ 18. 3 hours 30 minutes = ____ minutes _____
19. Round 782 to the nearest ten: ____ nearest hundred: _____
20. Round 275 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 8, 4 and 32.

Answer: _____

Leftovers after sharing

22. Bram shares 25 shinies among 4 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Twig has 3 hats and 4 scarves. How many different hat-and-scarf outfits can Twig wear?

Answer: _____

Skip counting equal groups

24. How many 5s make 35?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 2, 4, 8, 16, _____, _____

Answer: _____

Kangaroo puzzles

26. Bram writes every number from 1 to 43. How many times does Bram write the digit 4?

Answer: _____

Adding 3-digit numbers**27.** Add.

$$\begin{array}{r} 824 \\ + 781 \\ \hline \end{array}$$

Subtracting 3-digit numbers**28.** Subtract.

$$\begin{array}{r} 661 \\ - 197 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit**29.** Multiply.

$$\begin{array}{r} 24 \\ \times 6 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit**30.** Divide: $48 \div 4 =$ **Answer:** _____**Adding 2-digit numbers****31.** Twig gathers 42 feathers and Vanta gathers 23 more. How many feathers do they have together?**Answer:** _____**Subtracting 2-digit numbers****32.** Pip has 59 berries and gives 33 away. How many berries are left?**Answer:** _____**How many more or fewer****33.** Ozzo found 37 feathers; Twig found 24. How many more feathers did Ozzo find than Twig?**Answer:** _____**Multiplying equal groups****34.** Kestra fills 3 baskets with 6 shinies in each basket. How many shinies in all?**Answer:** _____**Sharing equally****35.** Pip shares 77 feathers equally among 7 friends. How many feathers does each friend get?**Answer:** _____**Doubling and halving****36.** Bram has 44 shinies. After a lucky day, the pile doubles. How many shinies now?**Answer:** _____

Adding and subtracting minutes

37. Bram practises the flute for 15 minutes before lunch and 25 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Bram fills 6 bags with 4 acorns each, then finds 6 more. How many acorns does Bram have?

Answer: _____

Times tables in word problems

39. Kestra reads 9 pages every day for 9 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Ozzo puts 36 shinies into rows of 4. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $7 \times 6 + 17$.

Answer: _____

Money problems and change

42. Twig buys 4 candles at 4 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Ozzo cuts 6 ribbons, each 20 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Vanta starts reading at 9:20. The story takes 40 minutes. What time does Vanta finish?

Answer: _____

Area of a rectangle

45. A rectangle is 7 cm long and 4 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 9 cm long and 4 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $3 \times \underline{\quad} = 12$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: $9 \times 8 \underline{\quad} 87 - 17$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 11, 19, 27, 35, $\underline{\quad}$, $\underline{\quad}$

Answer: _____

Balancing both sides

50. Balance both sides: $4 + 5 = 6 + \underline{\quad}$

Answer: _____

Day 3 answer key

for the parent. All 50 right is a clean day.

- | | | | |
|---|----------------------------------|-------------------------------------|-----------------------------------|
| 1. 14 | Addition facts | 26. 8 | Kangaroo puzzles |
| 2. 10 | Addition facts | 27. 1605 | Adding 3-digit numbers |
| 3. 9 | Subtraction facts | 28. 464 | Subtracting 3-digit numbers |
| 4. 2 | Subtraction facts | 29. 144 | Multiplying 2-digit by 1-digit |
| 5. 36 | Times-table facts | 30. 12 | Dividing 2-digit by 1-digit |
| 6. 18 | Times-table facts | 31. 65 | Adding 2-digit numbers |
| 7. 4 | Division facts | 32. 26 | Subtracting 2-digit numbers |
| 8. 7 | Division facts | 33. 13 | How many more or fewer |
| 9. 70 | 2-digit addition in your head | 34. 18 | Multiplying equal groups |
| 10. 72 | 2-digit addition in your head | 35. 11 | Sharing equally |
| 11. 42 | 2-digit subtraction in your head | 36. 88 | Doubling and halving |
| 12. 34 | 2-digit subtraction in your head | 37. 40 | Adding and subtracting minutes |
| 13. 540 | Multiplying multiples of ten | 38. 30 ($6 \times 4 = 24$, $+6$) | Two-step story problems |
| 14. 280 | Multiplying multiples of ten | 39. 81 | Times tables in word problems |
| 15. 88 | Doubling 2-digit numbers | 40. 9 | Sharing and making equal groups |
| 16. 32 | Doubling 2-digit numbers | 41. 59 | Multiply then add or subtract |
| 17. 240 | Hours into minutes | 42. 34 ($4 \times 4 = 16$) | Money problems and change |
| 18. 210 | Hours into minutes | 43. 120 cm | Multiplying a measurement |
| 19. 780 and 800 | Rounding to tens and hundreds | 44. 10:00 | Elapsed time on a clock |
| 20. 280 and 300 | Rounding to tens and hundreds | 45. 28 square cm | Area of a rectangle |
| 21. $8 \times 4 = 32$, $4 \times 8 = 32$, $32 \div 8 = 4$, $32 \div 4 = 8$ | Fact families | 46. 26 cm | Perimeter of a rectangle |
| 22. 6 each, 1 left over | Leftovers after sharing | 47. 4 | Missing number puzzles |
| 23. 12 | Counting combinations | 48. > | Choosing the faster strategy |
| 24. 7 | Skip counting equal groups | 49. 43, 51 | Number patterns and skip counting |
| 25. 32, 64 | Growing and doubling patterns | 50. 3 | Balancing both sides |

Day 4 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 4 every skill, one problem each. Show your work in the box.**Quick facts** straight from your head onto the line

1. $7 + 8 =$ _____ 2. $6 + 9 =$ _____ 3. $12 - 7 =$ _____ 4. $6 - 4 =$ _____
5. $2 \times 9 =$ _____ 6. $7 \times 3 =$ _____ 7. $20 \div 4 =$ _____ 8. $15 \div 3 =$ _____
9. $63 + 24 =$ _____ 10. $33 + 22 =$ _____ 11. $62 - 28 =$ _____ 12. $86 - 37 =$ _____
13. $60 \times 4 =$ _____ 14. $30 \times 4 =$ _____ 15. Double 31 = _____ 16. Double 18 = _____
17. 5 hours 30 minutes = ____ minutes _____ 18. 3 hours 30 minutes = ____ minutes _____
19. Round 307 to the nearest ten: ____ nearest hundred: _____
20. Round 593 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 4, 6 and 24.

Answer: _____

Leftovers after sharing

22. Vanta shares 34 shinies among 4 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Ozzo has 4 hats and 5 scarves. How many different hat-and-scarf outfits can Ozzo wear?

Answer: _____

Skip counting equal groups

24. How many 5s make 30?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 5, 10, 20, 40, _____, _____

Answer: _____

Kangaroo puzzles

26. Bram writes every number from 1 to 48. How many times does Bram write the digit 1?

Answer: _____

Adding 3-digit numbers**27.** Add.

$$\begin{array}{r} 248 \\ + 463 \\ \hline \end{array}$$

Subtracting 3-digit numbers**28.** Subtract.

$$\begin{array}{r} 468 \\ - 159 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit**29.** Multiply.

$$\begin{array}{r} 46 \\ \times 5 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit**30.** Divide: $96 \div 6 =$ **Answer:** _____**Adding 2-digit numbers****31.** Kestra gathers 42 buttons and Twig gathers 27 more. How many buttons do they have together?**Answer:** _____**Subtracting 2-digit numbers****32.** Ozzo has 84 acorns and gives 26 away. How many acorns are left?**Answer:** _____**How many more or fewer****33.** Twig found 60 buttons; Twig found 44. How many more buttons did Twig find than Twig?**Answer:** _____**Multiplying equal groups****34.** Pip fills 8 baskets with 9 buttons in each basket. How many buttons in all?**Answer:** _____**Sharing equally****35.** Ozzo shares 49 shinies equally among 7 friends. How many shinies does each friend get?**Answer:** _____**Doubling and halving****36.** Vanta has 46 buttons and trades away half. How many buttons are left?**Answer:** _____

Adding and subtracting minutes

37. Vanta practises the flute for 20 minutes before lunch and 20 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Ozzo fills 4 bags with 7 buttons each, then finds 6 more. How many buttons does Ozzo have?

Answer: _____

Times tables in word problems

39. Ozzo reads 9 pages every day for 8 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Vanta puts 36 feathers into rows of 9. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $7 \times 4 + 20$.

Answer: _____

Money problems and change

42. Bram buys 6 candles at 4 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Bram cuts 6 ribbons, each 30 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Bram starts reading at 4:10. The story takes 55 minutes. What time does Bram finish?

Answer: _____

Area of a rectangle

45. A rectangle is 7 cm long and 8 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 7 cm long and 3 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $___ + 292 = 839$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: $6 \times 8 ___ 82 - 32$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 24, 30, 36, 42, $___$, $___$

Answer: _____

Balancing both sides

50. Balance both sides: $3 + 4 = 2 + ___$

Answer: _____

Day 4 answer key

for the parent. All 50 right is a clean day.

1. 15 Addition facts
2. 15 Addition facts
3. 5 Subtraction facts
4. 2 Subtraction facts
5. 18 Times-table facts
6. 21 Times-table facts
7. 5 Division facts
8. 5 Division facts
9. 87 2-digit addition in your head
10. 55 2-digit addition in your head
11. 34 2-digit subtraction in your head
12. 49 2-digit subtraction in your head
13. 240 Multiplying multiples of ten
14. 120 Multiplying multiples of ten
15. 62 Doubling 2-digit numbers
16. 36 Doubling 2-digit numbers
17. 330 Hours into minutes
18. 210 Hours into minutes
19. 310 and 300 Rounding to tens and hundreds
20. 590 and 600 Rounding to tens and hundreds
21. $4 \times 6 = 24$, $6 \times 4 = 24$, $24 \div 4 = 6$, $24 \div 6 = 4$ Fact families
22. 8 each, 2 left over Leftovers after sharing
23. 20 Counting combinations
24. 6 Skip counting equal groups
25. 80, 160 Growing and doubling patterns
26. 15 Kangaroo puzzles
27. 711 Adding 3-digit numbers
28. 309 Subtracting 3-digit numbers
29. 230 Multiplying 2-digit by 1-digit
30. 16 Dividing 2-digit by 1-digit
31. 69 Adding 2-digit numbers
32. 58 Subtracting 2-digit numbers
33. 16 How many more or fewer
34. 72 Multiplying equal groups
35. 7 Sharing equally
36. 23 Doubling and halving
37. 40 Adding and subtracting minutes
38. 34 ($4 \times 7 = 28$, $+6$) Two-step story problems
39. 72 Times tables in word problems
40. 4 Sharing and making equal groups
41. 48 Multiply then add or subtract
42. 26 ($6 \times 4 = 24$) Money problems and change
43. 180 cm Multiplying a measurement
44. 5:05 Elapsed time on a clock
45. 56 square cm Area of a rectangle
46. 20 cm Perimeter of a rectangle
47. 547 Missing number puzzles
48. $<$ Choosing the faster strategy
49. 48, 54 Number patterns and skip counting
50. 5 Balancing both sides

Day 5 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 5

 every skill, one problem each. Show your work in the box.

Quick facts straight from your head onto the line

1. $9 + 9 =$ _____ 2. $9 + 6 =$ _____ 3. $5 - 3 =$ _____ 4. $11 - 4 =$ _____
5. $2 \times 9 =$ _____ 6. $3 \times 3 =$ _____ 7. $36 \div 6 =$ _____ 8. $21 \div 7 =$ _____
9. $49 + 26 =$ _____ 10. $67 + 28 =$ _____ 11. $47 - 21 =$ _____ 12. $60 - 14 =$ _____
13. $20 \times 9 =$ _____ 14. $90 \times 9 =$ _____ 15. Double 31 = _____ 16. Double 24 = _____
17. 3 hours 30 minutes = ____ minutes _____ 18. 4 hours 30 minutes = ____ minutes _____
19. Round 232 to the nearest ten: ____ nearest hundred: _____
20. Round 233 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 6, 4 and 24.

Answer: _____

Leftovers after sharing

22. Bram shares 38 feathers among 4 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Pip has 3 hats and 3 scarves. How many different hat-and-scarf outfits can Pip wear?

Answer: _____

Skip counting equal groups

24. How many 4s make 28?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 3, 6, 12, 24, _____, _____

Answer: _____

Kangaroo puzzles

26. Ozzo writes every number from 1 to 55. How many times does Ozzo write the digit 4?

Answer: _____

Adding 3-digit numbers

27. Add.

$$\begin{array}{r} 377 \\ + 841 \\ \hline \end{array}$$

Subtracting 3-digit numbers

28. Subtract.

$$\begin{array}{r} 362 \\ - 325 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit

29. Multiply.

$$\begin{array}{r} 43 \\ \times 9 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit

30. Divide: $72 \div 6 =$

Answer: _____

Adding 2-digit numbers

31. Pip gathers 26 berries and Pip gathers 25 more. How many berries do they have together?

Answer: _____

Subtracting 2-digit numbers

32. Bram has 95 shinies and gives 37 away. How many shinies are left?

Answer: _____

How many more or fewer

33. Kestra found 70 buttons; Bram found 43. How many more buttons did Kestra find than Bram?

Answer: _____

Multiplying equal groups

34. Ozzo fills 4 baskets with 6 shinies in each basket. How many shinies in all?

Answer: _____

Sharing equally

35. Kestra shares 50 buttons equally among 5 friends. How many buttons does each friend get?

Answer: _____

Doubling and halving

36. Twig has 20 shinies. After a lucky day, the pile doubles. How many shinies now?

Answer: _____

Adding and subtracting minutes

37. Twig practises the flute for 40 minutes before lunch and 15 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Vanta fills 5 bags with 8 shinies each, then finds 10 more. How many shinies does Vanta have?

Answer: _____

Times tables in word problems

39. Twig reads 6 pages every day for 6 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Ozzo puts 12 feathers into rows of 4. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $7 \times 4 + 6$.

Answer: _____

Money problems and change

42. Kestra buys 4 candles at 8 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Bram cuts 6 ribbons, each 30 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Pip starts reading at 11:35. The story takes 55 minutes. What time does Pip finish?

Answer: _____

Area of a rectangle

45. A rectangle is 11 cm long and 5 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 8 cm long and 5 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $___ + 191 = 719$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: $4 \times 4 ___ 21 - 8$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 22, 30, 38, 46, $___$, $___$

Answer: _____

Balancing both sides

50. Balance both sides: $7 + 4 = 6 + ___$

Answer: _____

Day 5 answer key

for the parent. All 50 right is a clean day.

1. 18 Addition facts
2. 15 Addition facts
3. 2 Subtraction facts
4. 7 Subtraction facts
5. 18 Times-table facts
6. 9 Times-table facts
7. 6 Division facts
8. 3 Division facts
9. 75 2-digit addition in your head
10. 95 2-digit addition in your head
11. 26 2-digit subtraction in your head
12. 46 2-digit subtraction in your head
13. 180 Multiplying multiples of ten
14. 810 Multiplying multiples of ten
15. 62 Doubling 2-digit numbers
16. 48 Doubling 2-digit numbers
17. 210 Hours into minutes
18. 270 Hours into minutes
19. 230 and 200 Rounding to tens and hundreds
20. 230 and 200 Rounding to tens and hundreds
21. $6 \times 4 = 24$, $4 \times 6 = 24$, $24 \div 6 = 4$, $24 \div 4 = 6$ Fact families
22. 9 each, 2 left over Leftovers after sharing
23. 9 Counting combinations
24. 7 Skip counting equal groups
25. 48, 96 Growing and doubling patterns
26. 16 Kangaroo puzzles
27. 1218 Adding 3-digit numbers
28. 37 Subtracting 3-digit numbers
29. 387 Multiplying 2-digit by 1-digit
30. 12 Dividing 2-digit by 1-digit
31. 51 Adding 2-digit numbers
32. 58 Subtracting 2-digit numbers
33. 27 How many more or fewer
34. 24 Multiplying equal groups
35. 10 Sharing equally
36. 40 Doubling and halving
37. 55 Adding and subtracting minutes
38. 50 ($5 \times 8 = 40$, $+10$) Two-step story problems
39. 36 Times tables in word problems
40. 3 Sharing and making equal groups
41. 34 Multiply then add or subtract
42. 18 ($4 \times 8 = 32$) Money problems and change
43. 180 cm Multiplying a measurement
44. 12:30 Elapsed time on a clock
45. 55 square cm Area of a rectangle
46. 26 cm Perimeter of a rectangle
47. 528 Missing number puzzles
48. > Choosing the faster strategy
49. 54, 62 Number patterns and skip counting
50. 5 Balancing both sides

Day 6 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 6 every skill, one problem each. Show your work in the box.**Quick facts** straight from your head onto the line

1. $3 + 4 =$ _____ 2. $4 + 7 =$ _____ 3. $13 - 9 =$ _____ 4. $16 - 9 =$ _____
5. $7 \times 9 =$ _____ 6. $2 \times 4 =$ _____ 7. $56 \div 7 =$ _____ 8. $24 \div 8 =$ _____
9. $63 + 26 =$ _____ 10. $63 + 22 =$ _____ 11. $54 - 28 =$ _____ 12. $64 - 37 =$ _____
13. $50 \times 3 =$ _____ 14. $20 \times 8 =$ _____ 15. Double 37 = _____ 16. Double 32 = _____
17. 3 hours 30 minutes = ____ minutes _____ 18. 4 hours = ____ minutes _____
19. Round 558 to the nearest ten: ____ nearest hundred: _____
20. Round 721 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 4, 6 and 24.

Answer: _____

Leftovers after sharing

22. Bram shares 38 pebbles among 4 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Twig has 4 hats and 5 scarves. How many different hat-and-scarf outfits can Twig wear?

Answer: _____

Skip counting equal groups

24. How many 5s make 30?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 2, 4, 8, 16, _____, _____

Answer: _____

Kangaroo puzzles

26. Ozzo writes every number from 1 to 37. How many times does Ozzo write the digit 1?

Answer: _____

Adding 3-digit numbers**27.** Add.

$$\begin{array}{r} 775 \\ + 840 \\ \hline \end{array}$$

Subtracting 3-digit numbers**28.** Subtract.

$$\begin{array}{r} 810 \\ - 288 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit**29.** Multiply.

$$\begin{array}{r} 31 \\ \times 7 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit**30.** Divide: $90 \div 6 =$ **Answer:** _____**Adding 2-digit numbers****31.** Bram gathers 31 buttons and Kestra gathers 24 more. How many buttons do they have together?**Answer:** _____**Subtracting 2-digit numbers****32.** Pip has 62 acorns and gives 36 away. How many acorns are left?**Answer:** _____**How many more or fewer****33.** Vanta found 49 buttons; Ozzo found 35. How many more buttons did Vanta find than Ozzo?**Answer:** _____**Multiplying equal groups****34.** Ozzo fills 3 baskets with 6 shinies in each basket. How many shinies in all?**Answer:** _____**Sharing equally****35.** Vanta shares 66 buttons equally among 6 friends. How many buttons does each friend get?**Answer:** _____**Doubling and halving****36.** Bram has 92 acorns and trades away half. How many acorns are left?**Answer:** _____

Adding and subtracting minutes

37. Kestra practises the flute for 35 minutes before lunch and 15 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Kestra fills 3 bags with 4 feathers each, then finds 8 more. How many feathers does Kestra have?

Answer: _____

Times tables in word problems

39. Twig reads 6 pages every day for 7 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Vanta puts 36 feathers into rows of 4. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $4 \times 6 + 16$.

Answer: _____

Money problems and change

42. Vanta buys 4 candles at 6 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Kestra cuts 4 ribbons, each 20 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Bram starts reading at 10:25. The story takes 40 minutes. What time does Bram finish?

Answer: _____

Area of a rectangle

45. A rectangle is 4 cm long and 9 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 13 cm long and 5 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $8 \times \underline{\quad} = 24$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: $6 \times 6 \underline{\quad} 61 - 22$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 26, 35, 44, 53, $\underline{\quad}$, $\underline{\quad}$

Answer: _____

Balancing both sides

50. Balance both sides: $4 + 4 = 5 + \underline{\quad}$

Answer: _____

Day 6 answer key

for the parent. All 50 right is a clean day.

1. 7 Addition facts
2. 11 Addition facts
3. 4 Subtraction facts
4. 7 Subtraction facts
5. 63 Times-table facts
6. 8 Times-table facts
7. 8 Division facts
8. 3 Division facts
9. 89 2-digit addition in your head
10. 85 2-digit addition in your head
11. 26 2-digit subtraction in your head
12. 27 2-digit subtraction in your head
13. 150 Multiplying multiples of ten
14. 160 Multiplying multiples of ten
15. 74 Doubling 2-digit numbers
16. 64 Doubling 2-digit numbers
17. 210 Hours into minutes
18. 240 Hours into minutes
19. 560 and 600 Rounding to tens and hundreds
20. 720 and 700 Rounding to tens and hundreds
21. $4 \times 6 = 24$, $6 \times 4 = 24$, $24 \div 4 = 6$, $24 \div 6 = 4$ Fact families
22. 9 each, 2 left over Leftovers after sharing
23. 20 Counting combinations
24. 6 Skip counting equal groups
25. 32, 64 Growing and doubling patterns
26. 14 Kangaroo puzzles
27. 1615 Adding 3-digit numbers
28. 522 Subtracting 3-digit numbers
29. 217 Multiplying 2-digit by 1-digit
30. 15 Dividing 2-digit by 1-digit
31. 55 Adding 2-digit numbers
32. 26 Subtracting 2-digit numbers
33. 14 How many more or fewer
34. 18 Multiplying equal groups
35. 11 Sharing equally
36. 46 Doubling and halving
37. 50 Adding and subtracting minutes
38. 20 ($3 \times 4 = 12$, +8) Two-step story problems
39. 42 Times tables in word problems
40. 9 Sharing and making equal groups
41. 40 Multiply then add or subtract
42. 26 ($4 \times 6 = 24$) Money problems and change
43. 80 cm Multiplying a measurement
44. 11:05 Elapsed time on a clock
45. 36 square cm Area of a rectangle
46. 36 cm Perimeter of a rectangle
47. 3 Missing number puzzles
48. < Choosing the faster strategy
49. 62, 71 Number patterns and skip counting
50. 3 Balancing both sides

Day 7 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 7

 every skill, one problem each. Show your work in the box.

Quick facts straight from your head onto the line

1. $4 + 4 =$ _____ 2. $4 + 7 =$ _____ 3. $6 - 3 =$ _____ 4. $8 - 3 =$ _____
5. $4 \times 6 =$ _____ 6. $8 \times 9 =$ _____ 7. $6 \div 2 =$ _____ 8. $56 \div 8 =$ _____
9. $42 + 14 =$ _____ 10. $24 + 16 =$ _____ 11. $53 - 15 =$ _____ 12. $67 - 35 =$ _____
13. $60 \times 9 =$ _____ 14. $20 \times 9 =$ _____ 15. Double 42 = _____ 16. Double 32 = _____
17. 4 hours 30 minutes = ____ minutes _____ 18. 5 hours 30 minutes = ____ minutes _____
19. Round 133 to the nearest ten: ____ nearest hundred: _____
20. Round 288 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 7, 6 and 42.

Answer: _____

Leftovers after sharing

22. Pip shares 29 berries among 4 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Ozzo has 3 hats and 4 scarves. How many different hat-and-scarf outfits can Ozzo wear?

Answer: _____

Skip counting equal groups

24. How many 4s make 36?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 3, 6, 12, 24, _____, _____

Answer: _____

Kangaroo puzzles

26. Ozzo writes every number from 1 to 48. How many times does Ozzo write the digit 1?

Answer: _____

Adding 3-digit numbers**27.** Add.

$$\begin{array}{r} 215 \\ + 517 \\ \hline \end{array}$$

Subtracting 3-digit numbers**28.** Subtract.

$$\begin{array}{r} 813 \\ - 166 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit**29.** Multiply.

$$\begin{array}{r} 23 \\ \times 9 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit**30.** Divide: $39 \div 3 =$ **Answer:** _____**Adding 2-digit numbers****31.** Vanta gathers 38 berries and Ozzo gathers 22 more. How many berries do they have together?**Answer:** _____**Subtracting 2-digit numbers****32.** Twig has 61 buttons and gives 34 away. How many buttons are left?**Answer:** _____**How many more or fewer****33.** Pip found 66 buttons; Pip found 42. How many more buttons did Pip find than Pip?**Answer:** _____**Multiplying equal groups****34.** Kestra fills 5 baskets with 5 berries in each basket. How many berries in all?**Answer:** _____**Sharing equally****35.** Twig shares 44 feathers equally among 4 friends. How many feathers does each friend get?**Answer:** _____**Doubling and halving****36.** Kestra has 15 shinies. After a lucky day, the pile doubles. How many shinies now?**Answer:** _____

Adding and subtracting minutes

37. Ozzo practises the flute for 40 minutes before lunch and 25 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Kestra fills 3 bags with 5 pebbles each, then finds 8 more. How many pebbles does Kestra have?

Answer: _____

Times tables in word problems

39. Twig reads 9 pages every day for 7 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Pip puts 15 berries into rows of 5. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $7 \times 3 + 9$.

Answer: _____

Money problems and change

42. Ozzo buys 6 candles at 5 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Twig cuts 4 ribbons, each 30 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Vanta starts reading at 11:20. The story takes 50 minutes. What time does Vanta finish?

Answer: _____

Area of a rectangle

45. A rectangle is 11 cm long and 9 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 5 cm long and 6 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $___ + 238 = 633$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: $6 \times 3 ___ 25 - 9$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 13, 22, 31, 40, $___$, $___$

Answer: _____

Balancing both sides

50. Balance both sides: $7 + 5 = 6 + ___$

Answer: _____

Day 7 answer key

for the parent. All 50 right is a clean day.

- | | | | |
|---|----------------------------------|-------------------------------------|-----------------------------------|
| 1. 8 | Addition facts | 26. 15 | Kangaroo puzzles |
| 2. 11 | Addition facts | 27. 732 | Adding 3-digit numbers |
| 3. 3 | Subtraction facts | 28. 647 | Subtracting 3-digit numbers |
| 4. 5 | Subtraction facts | 29. 207 | Multiplying 2-digit by 1-digit |
| 5. 24 | Times-table facts | 30. 13 | Dividing 2-digit by 1-digit |
| 6. 72 | Times-table facts | 31. 60 | Adding 2-digit numbers |
| 7. 3 | Division facts | 32. 27 | Subtracting 2-digit numbers |
| 8. 7 | Division facts | 33. 24 | How many more or fewer |
| 9. 56 | 2-digit addition in your head | 34. 25 | Multiplying equal groups |
| 10. 40 | 2-digit addition in your head | 35. 11 | Sharing equally |
| 11. 38 | 2-digit subtraction in your head | 36. 30 | Doubling and halving |
| 12. 32 | 2-digit subtraction in your head | 37. 65 | Adding and subtracting minutes |
| 13. 540 | Multiplying multiples of ten | 38. 23 ($3 \times 5 = 15$, $+8$) | Two-step story problems |
| 14. 180 | Multiplying multiples of ten | 39. 63 | Times tables in word problems |
| 15. 84 | Doubling 2-digit numbers | 40. 3 | Sharing and making equal groups |
| 16. 64 | Doubling 2-digit numbers | 41. 30 | Multiply then add or subtract |
| 17. 270 | Hours into minutes | 42. 20 ($6 \times 5 = 30$) | Money problems and change |
| 18. 330 | Hours into minutes | 43. 120 cm | Multiplying a measurement |
| 19. 130 and 100 | Rounding to tens and hundreds | 44. 12:10 | Elapsed time on a clock |
| 20. 290 and 300 | Rounding to tens and hundreds | 45. 99 square cm | Area of a rectangle |
| 21. $7 \times 6 = 42$, $6 \times 7 = 42$, $42 \div 7 = 6$, $42 \div 6 = 7$ | Fact families | 46. 22 cm | Perimeter of a rectangle |
| 22. 7 each, 1 left over | Leftovers after sharing | 47. 395 | Missing number puzzles |
| 23. 12 | Counting combinations | 48. $>$ | Choosing the faster strategy |
| 24. 9 | Skip counting equal groups | 49. 49, 58 | Number patterns and skip counting |
| 25. 48, 96 | Growing and doubling patterns | 50. 6 | Balancing both sides |

Day 8 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 8

 every skill, one problem each. Show your work in the box.

Quick facts straight from your head onto the line

1. $3 + 8 =$ _____ 2. $7 + 8 =$ _____ 3. $13 - 6 =$ _____ 4. $16 - 7 =$ _____
5. $3 \times 3 =$ _____ 6. $5 \times 7 =$ _____ 7. $35 \div 5 =$ _____ 8. $64 \div 8 =$ _____
9. $30 + 28 =$ _____ 10. $33 + 27 =$ _____ 11. $55 - 21 =$ _____ 12. $55 - 34 =$ _____
13. $40 \times 5 =$ _____ 14. $90 \times 9 =$ _____ 15. Double 16 = _____ 16. Double 17 = _____
17. 2 hours 30 minutes = ____ minutes _____ 18. 3 hours 30 minutes = ____ minutes _____
19. Round 143 to the nearest ten: ____ nearest hundred: _____
20. Round 428 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 3, 9 and 27.

Answer: _____

Leftovers after sharing

22. Kestra shares 23 buttons among 3 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Kestra has 4 hats and 5 scarves. How many different hat-and-scarf outfits can Kestra wear?

Answer: _____

Skip counting equal groups

24. How many 4s make 28?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 3, 6, 12, 24, _____, _____

Answer: _____

Kangaroo puzzles

26. Pip writes every number from 1 to 38. How many times does Pip write the digit 2?

Answer: _____

Adding 3-digit numbers

27. Add.

$$\begin{array}{r} 708 \\ + 335 \\ \hline \end{array}$$

Subtracting 3-digit numbers

28. Subtract.

$$\begin{array}{r} 527 \\ - 459 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit

29. Multiply.

$$\begin{array}{r} 29 \\ \times 4 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit

30. Divide: $55 \div 5 =$

Answer: _____

Adding 2-digit numbers

31. Bram gathers 68 berries and Twig gathers 24 more. How many berries do they have together?

Answer: _____

Subtracting 2-digit numbers

32. Kestra has 79 acorns and gives 32 away. How many acorns are left?

Answer: _____

How many more or fewer

33. Pip found 53 pebbles; Bram found 40. How many more pebbles did Pip find than Bram?

Answer: _____

Multiplying equal groups

34. Ozzo fills 5 baskets with 7 berries in each basket. How many berries in all?

Answer: _____

Sharing equally

35. Ozzo shares 72 berries equally among 6 friends. How many berries does each friend get?

Answer: _____

Doubling and halving

36. Twig has 20 berries. After a lucky day, the pile doubles. How many berries now?

Answer: _____

Adding and subtracting minutes

37. Pip practises the flute for 35 minutes before lunch and 10 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Bram fills 3 bags with 7 shinies each, then finds 10 more. How many shinies does Bram have?

Answer: _____

Times tables in word problems

39. Bram reads 8 pages every day for 9 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Vanta puts 35 feathers into rows of 7. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $8 \times 3 - 19$.

Answer: _____

Money problems and change

42. Bram buys 3 candles at 7 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Twig cuts 4 ribbons, each 15 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Pip starts reading at 9:50. The story takes 45 minutes. What time does Pip finish?

Answer: _____

Area of a rectangle

45. A rectangle is 5 cm long and 5 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 5 cm long and 9 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $6 \times \underline{\quad} = 42$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: $7 \times 8 \underline{\quad} 84 - 29$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 22, 28, 34, 40, $\underline{\quad}$, $\underline{\quad}$

Answer: _____

Balancing both sides

50. Balance both sides: $3 + 6 = 7 + \underline{\quad}$

Answer: _____

Day 8 answer key

for the parent. All 50 right is a clean day.

1. 11 Addition facts
2. 15 Addition facts
3. 7 Subtraction facts
4. 9 Subtraction facts
5. 9 Times-table facts
6. 35 Times-table facts
7. 7 Division facts
8. 8 Division facts
9. 58 2-digit addition in your head
10. 60 2-digit addition in your head
11. 34 2-digit subtraction in your head
12. 21 2-digit subtraction in your head
13. 200 Multiplying multiples of ten
14. 810 Multiplying multiples of ten
15. 32 Doubling 2-digit numbers
16. 34 Doubling 2-digit numbers
17. 150 Hours into minutes
18. 210 Hours into minutes
19. 140 and 100 Rounding to tens and hundreds
20. 430 and 400 Rounding to tens and hundreds
21. $3 \times 9 = 27$, $9 \times 3 = 27$, $27 \div 3 = 9$, $27 \div 9 = 3$ Fact families
22. 7 each, 2 left over Leftovers after sharing
23. 20 Counting combinations
24. 7 Skip counting equal groups
25. 48, 96 Growing and doubling patterns
26. 14 Kangaroo puzzles
27. 1043 Adding 3-digit numbers
28. 68 Subtracting 3-digit numbers
29. 116 Multiplying 2-digit by 1-digit
30. 11 Dividing 2-digit by 1-digit
31. 92 Adding 2-digit numbers
32. 47 Subtracting 2-digit numbers
33. 13 How many more or fewer
34. 35 Multiplying equal groups
35. 12 Sharing equally
36. 40 Doubling and halving
37. 45 Adding and subtracting minutes
38. 31 ($3 \times 7 = 21$, $+10$) Two-step story problems
39. 72 Times tables in word problems
40. 5 Sharing and making equal groups
41. 5 Multiply then add or subtract
42. 29 ($3 \times 7 = 21$) Money problems and change
43. 60 cm Multiplying a measurement
44. 10:35 Elapsed time on a clock
45. 25 square cm Area of a rectangle
46. 28 cm Perimeter of a rectangle
47. 7 Missing number puzzles
48. > Choosing the faster strategy
49. 46, 52 Number patterns and skip counting
50. 2 Balancing both sides

Day 9 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 9 every skill, one problem each. Show your work in the box.**Quick facts** straight from your head onto the line

1. $5 + 5 =$ _____ 2. $7 + 7 =$ _____ 3. $16 - 7 =$ _____ 4. $16 - 8 =$ _____
5. $5 \times 9 =$ _____ 6. $9 \times 8 =$ _____ 7. $56 \div 8 =$ _____ 8. $18 \div 6 =$ _____
9. $39 + 20 =$ _____ 10. $47 + 29 =$ _____ 11. $68 - 27 =$ _____ 12. $48 - 33 =$ _____
13. $30 \times 7 =$ _____ 14. $60 \times 8 =$ _____ 15. Double 22 = _____ 16. Double 33 = _____
17. 2 hours 30 minutes = ____ minutes _____ 18. 2 hours = ____ minutes _____
19. Round 199 to the nearest ten: ____ nearest hundred: _____
20. Round 976 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 4, 5 and 20.

Answer: _____

Leftovers after sharing

22. Pip shares 32 feathers among 5 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Vanta has 2 hats and 3 scarves. How many different hat-and-scarf outfits can Vanta wear?

Answer: _____

Skip counting equal groups

24. How many 3s make 18?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 3, 6, 12, 24, _____, _____

Answer: _____

Kangaroo puzzles

26. Bram writes every number from 1 to 40. How many times does Bram write the digit 1?

Answer: _____

Adding 3-digit numbers**27.** Add.

$$\begin{array}{r} 455 \\ + 269 \\ \hline \end{array}$$

Subtracting 3-digit numbers**28.** Subtract.

$$\begin{array}{r} 390 \\ - 134 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit**29.** Multiply.

$$\begin{array}{r} 35 \\ \times 8 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit**30.** Divide: $119 \div 7 =$ **Answer:** _____**Adding 2-digit numbers****31.** Kestra gathers 47 shinies and Pip gathers 21 more. How many shinies do they have together?**Answer:** _____**Subtracting 2-digit numbers****32.** Twig has 78 shinies and gives 20 away. How many shinies are left?**Answer:** _____**How many more or fewer****33.** Bram found 49 buttons; Ozzo found 33. How many more buttons did Bram find than Ozzo?**Answer:** _____**Multiplying equal groups****34.** Vanta fills 8 baskets with 9 acorns in each basket. How many acorns in all?**Answer:** _____**Sharing equally****35.** Kestra shares 60 pebbles equally among 6 friends. How many pebbles does each friend get?**Answer:** _____**Doubling and halving****36.** Ozzo has 19 berries. After a lucky day, the pile doubles. How many berries now?**Answer:** _____

Adding and subtracting minutes

37. Ozzo practises the flute for 15 minutes before lunch and 10 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Pip fills 5 bags with 6 shinies each, then finds 8 more. How many shinies does Pip have?

Answer: _____

Times tables in word problems

39. Twig reads 7 pages every day for 9 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Ozzo puts 36 pebbles into rows of 4. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $5 \times 8 + 5$.

Answer: _____

Money problems and change

42. Vanta buys 4 candles at 4 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Kestra cuts 3 ribbons, each 15 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Kestra starts reading at 4:35. The story takes 55 minutes. What time does Kestra finish?

Answer: _____

Area of a rectangle

45. A rectangle is 5 cm long and 3 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 14 cm long and 3 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $___ + 268 = 727$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: 9×4 $___$ $76 - 38$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 30, 34, 38, 42, $___$, $___$

Answer: _____

Balancing both sides

50. Balance both sides: $8 + 8 = 8 + ___$

Answer: _____

Day 9 answer key

for the parent. All 50 right is a clean day.

1. 10 Addition facts
2. 14 Addition facts
3. 9 Subtraction facts
4. 8 Subtraction facts
5. 45 Times-table facts
6. 72 Times-table facts
7. 7 Division facts
8. 3 Division facts
9. 59 2-digit addition in your head
10. 76 2-digit addition in your head
11. 41 2-digit subtraction in your head
12. 15 2-digit subtraction in your head
13. 210 Multiplying multiples of ten
14. 480 Multiplying multiples of ten
15. 44 Doubling 2-digit numbers
16. 66 Doubling 2-digit numbers
17. 150 Hours into minutes
18. 120 Hours into minutes
19. 200 and 200 Rounding to tens and hundreds
20. 980 and 1000 Rounding to tens and hundreds
21. $4 \times 5 = 20$, $5 \times 4 = 20$, $20 \div 4 = 5$, $20 \div 5 = 4$ Fact families
22. 6 each, 2 left over Leftovers after sharing
23. 6 Counting combinations
24. 6 Skip counting equal groups
25. 48, 96 Growing and doubling patterns
26. 14 Kangaroo puzzles
27. 724 Adding 3-digit numbers
28. 256 Subtracting 3-digit numbers
29. 280 Multiplying 2-digit by 1-digit
30. 17 Dividing 2-digit by 1-digit
31. 68 Adding 2-digit numbers
32. 58 Subtracting 2-digit numbers
33. 16 How many more or fewer
34. 72 Multiplying equal groups
35. 10 Sharing equally
36. 38 Doubling and halving
37. 25 Adding and subtracting minutes
38. 38 ($5 \times 6 = 30$, $+8$) Two-step story problems
39. 63 Times tables in word problems
40. 9 Sharing and making equal groups
41. 45 Multiply then add or subtract
42. 34 ($4 \times 4 = 16$) Money problems and change
43. 45 cm Multiplying a measurement
44. 5:30 Elapsed time on a clock
45. 15 square cm Area of a rectangle
46. 34 cm Perimeter of a rectangle
47. 459 Missing number puzzles
48. $<$ Choosing the faster strategy
49. 46, 50 Number patterns and skip counting
50. 8 Balancing both sides

Day 10 of 30

White Belt

50 problems: 20 quick facts, 30 show-your-work

Today's skills

- 1–20.** Quick facts: 2-digit addition in your head, 2-digit subtraction in your head, addition facts, division facts, doubling 2-digit numbers, hours into minutes, multiplying multiples of ten, rounding to tens and hundreds, subtraction facts, times-table facts
- 21.** Fact families
- 22.** Leftovers after sharing
- 23.** Counting combinations
- 24.** Skip counting equal groups
- 25.** Growing and doubling patterns
- 26.** Kangaroo puzzles
- 27.** Adding 3-digit numbers
- 28.** Subtracting 3-digit numbers
- 29.** Multiplying 2-digit by 1-digit
- 30.** Dividing 2-digit by 1-digit
- 31.** Adding 2-digit numbers
- 32.** Subtracting 2-digit numbers
- 33.** How many more or fewer
- 34.** Multiplying equal groups
- 35.** Sharing equally
- 36.** Doubling and halving
- 37.** Adding and subtracting minutes
- 38.** Two-step story problems
- 39.** Times tables in word problems
- 40.** Sharing and making equal groups
- 41.** Multiply then add or subtract
- 42.** Money problems and change
- 43.** Multiplying a measurement
- 44.** Elapsed time on a clock
- 45.** Area of a rectangle
- 46.** Perimeter of a rectangle
- 47.** Missing number puzzles
- 48.** Choosing the faster strategy
- 49.** Number patterns and skip counting
- 50.** Balancing both sides

Day 10 every skill, one problem each. Show your work in the box.**Quick facts** straight from your head onto the line

1. $4 + 5 =$ _____ 2. $8 + 4 =$ _____ 3. $10 - 3 =$ _____ 4. $14 - 9 =$ _____
5. $4 \times 3 =$ _____ 6. $2 \times 6 =$ _____ 7. $35 \div 5 =$ _____ 8. $24 \div 4 =$ _____
9. $29 + 29 =$ _____ 10. $53 + 19 =$ _____ 11. $56 - 14 =$ _____ 12. $61 - 19 =$ _____
13. $60 \times 5 =$ _____ 14. $40 \times 9 =$ _____ 15. Double 18 = _____ 16. Double 48 = _____
17. 2 hours 30 minutes = ____ minutes _____ 18. 3 hours 30 minutes = ____ minutes _____
19. Round 585 to the nearest ten: ____ nearest hundred: _____
20. Round 838 to the nearest ten: ____ nearest hundred: _____

Fact families

21. Write the four facts in the fact family of 9, 8 and 72.

Answer: _____

Leftovers after sharing

22. Kestra shares 29 shinies among 3 friends. How many does each get, and how many are left over?

Answer: _____

Counting combinations

23. Twig has 2 hats and 5 scarves. How many different hat-and-scarf outfits can Twig wear?

Answer: _____

Skip counting equal groups

24. How many 6s make 30?

Answer: _____

Growing and doubling patterns

25. Each number doubles. Next two: 2, 4, 8, 16, _____, _____

Answer: _____

Kangaroo puzzles

26. Twig writes every number from 1 to 55. How many times does Twig write the digit 1?

Answer: _____

Adding 3-digit numbers

27. Add.

$$\begin{array}{r} 856 \\ + 436 \\ \hline \end{array}$$

Subtracting 3-digit numbers

28. Subtract.

$$\begin{array}{r} 883 \\ - 697 \\ \hline \end{array}$$

Multiplying 2-digit by 1-digit

29. Multiply.

$$\begin{array}{r} 70 \\ \times 4 \\ \hline \end{array}$$

Dividing 2-digit by 1-digit

30. Divide: $68 \div 4 =$

Answer: _____

Adding 2-digit numbers

31. Twig gathers 61 feathers and Vanta gathers 20 more. How many feathers do they have together?

Answer: _____

Subtracting 2-digit numbers

32. Pip has 63 berries and gives 29 away. How many berries are left?

Answer: _____

How many more or fewer

33. Vanta found 47 pebbles; Kestra found 25. How many more pebbles did Vanta find than Kestra?

Answer: _____

Multiplying equal groups

34. Ozzo fills 3 baskets with 8 feathers in each basket. How many feathers in all?

Answer: _____

Sharing equally

35. Bram shares 24 feathers equally among 6 friends. How many feathers does each friend get?

Answer: _____

Doubling and halving

36. Vanta has 62 acorns and trades away half. How many acorns are left?

Answer: _____

Adding and subtracting minutes

37. Twig practises the flute for 40 minutes before lunch and 25 minutes after. How many minutes in all?

Answer: _____

Two-step story problems

38. Twig fills 6 bags with 5 acorns each, then finds 13 more. How many acorns does Twig have?

Answer: _____

Times tables in word problems

39. Vanta reads 9 pages every day for 8 days. How many pages in all?

Answer: _____

Sharing and making equal groups

40. Bram puts 81 berries into rows of 9. How many rows?

Answer: _____

Multiply then add or subtract

41. Work out $8 \times 5 - 10$.

Answer: _____

Money problems and change

42. Vanta buys 3 candles at 4 shinies each and pays with a 50-shiny note. How much change?

Answer: _____

Multiplying a measurement

43. Pip cuts 6 ribbons, each 25 cm long. How many centimetres of ribbon is that?

Answer: _____

Elapsed time on a clock

44. Pip starts reading at 7:40. The story takes 50 minutes. What time does Pip finish?

Answer: _____

Area of a rectangle

45. A rectangle is 11 cm long and 8 cm wide. What is its area?

Answer: _____

Perimeter of a rectangle

46. A rectangle is 10 cm long and 9 cm wide. What is its perimeter?

Answer: _____

Missing number puzzles

47. Find the missing number: $___ + 416 = 675$

Answer: _____

Choosing the faster strategy

48. Write $<$, $>$ or $=$: $5 \times 3 ___ 52 - 34$

Answer: _____

Number patterns and skip counting

49. Next two numbers: 17, 23, 29, 35, $___$, $___$

Answer: _____

Balancing both sides

50. Balance both sides: $9 + 8 = 8 + ___$

Answer: _____

Day 10 answer key

for the parent. All 50 right is a clean day.

- | | | | |
|---|----------------------------------|--------------------------------------|-----------------------------------|
| 1. 9 | Addition facts | 26. 16 | Kangaroo puzzles |
| 2. 12 | Addition facts | 27. 1292 | Adding 3-digit numbers |
| 3. 7 | Subtraction facts | 28. 186 | Subtracting 3-digit numbers |
| 4. 5 | Subtraction facts | 29. 280 | Multiplying 2-digit by 1-digit |
| 5. 12 | Times-table facts | 30. 17 | Dividing 2-digit by 1-digit |
| 6. 12 | Times-table facts | 31. 81 | Adding 2-digit numbers |
| 7. 7 | Division facts | 32. 34 | Subtracting 2-digit numbers |
| 8. 6 | Division facts | 33. 22 | How many more or fewer |
| 9. 58 | 2-digit addition in your head | 34. 24 | Multiplying equal groups |
| 10. 72 | 2-digit addition in your head | 35. 4 | Sharing equally |
| 11. 42 | 2-digit subtraction in your head | 36. 31 | Doubling and halving |
| 12. 42 | 2-digit subtraction in your head | 37. 65 | Adding and subtracting minutes |
| 13. 300 | Multiplying multiples of ten | 38. 43 ($6 \times 5 = 30$, $+13$) | Two-step story problems |
| 14. 360 | Multiplying multiples of ten | 39. 72 | Times tables in word problems |
| 15. 36 | Doubling 2-digit numbers | 40. 9 | Sharing and making equal groups |
| 16. 96 | Doubling 2-digit numbers | 41. 30 | Multiply then add or subtract |
| 17. 150 | Hours into minutes | 42. 38 ($3 \times 4 = 12$) | Money problems and change |
| 18. 210 | Hours into minutes | 43. 150 cm | Multiplying a measurement |
| 19. 590 and 600 | Rounding to tens and hundreds | 44. 8:30 | Elapsed time on a clock |
| 20. 840 and 800 | Rounding to tens and hundreds | 45. 88 square cm | Area of a rectangle |
| 21. $9 \times 8 = 72$, $8 \times 9 = 72$, $72 \div 9 = 8$, $72 \div 8 = 9$ | Fact families | 46. 38 cm | Perimeter of a rectangle |
| 22. 9 each, 2 left over | Leftovers after sharing | 47. 259 | Missing number puzzles |
| 23. 10 | Counting combinations | 48. $<$ | Choosing the faster strategy |
| 24. 5 | Skip counting equal groups | 49. 41, 47 | Number patterns and skip counting |
| 25. 32, 64 | Growing and doubling patterns | 50. 9 | Balancing both sides |