Year 4: marking & next steps

Award one mark per question: 35 marks total. Accept equivalent answers and appropriate units unless a specific form is requested. For a question asking for two values, require both correct values. This is a classroom practice score; it does not convert to SMART scores or curriculum levels.

The paper follows the broad skill coverage and question count of the supplied assessment, with original contexts, values and diagrams. Use the worked solutions to discuss methods after students have attempted it independently.

Use two shorter sittings if appropriate. Confirm calculator use and reading support. Read instructions clearly; avoid explaining a mathematical method during an independent practice check.

Quick answer key

01 D • $19

02 D • Reading

03 A • 96

04 28

05 B • C3

06 27

07 A • 32 cm

08 7.7

09 A • Yes

10 C • 24

11 B • Quarter turn

12 C • 2 300 g

13 C • 50 068

14 D • 12

15 B • 47

16 7

17 D • 1/8

18 2 258

19 B • Wrap

20 C • Soup and milk

21 B • $2

22 C • 10 litres

23 A • 8

24 A • Triangular prism

25 C • 700

26 928

27 42

28 C • 20

29 C • Irregular quadrilateral

30 32 km

31 C • 3:45 pm

32 A • 85 minutes

33 A • 80

34 72

35 $9

01 • Add money

D • $19

14 + 5 = 19.

02 • Interpret a dot plot

D • Reading

Reading has 7 votes, more than the other activities.

03 • Number words

A • 96

Nine tens and six ones make 96.

04 • Multiplication facts

28

Seven groups of four total 28.

05 • Grid references

B • C3

Read column C and row 3.

06 • Additive patterns

27

Add 5 each time.

07 • Triangle perimeter

A • 32 cm

Add all three sides: 12 + 12 + 8 = 32 cm.

08 • Add decimals

7.7

Add ones and tenths: 5 + 2 = 7, and 0.3 + 0.4 = 0.7.

09 • Line symmetry

A • Yes

The two halves are mirror images across the vertical dashed line.

10 • Stacked bar totals

C • 24

Room 1 has 14 drawings and 10 models; total 24.

11 • Clockwise turns

B • Quarter turn

A clockwise quarter-turn moves from 12 o’clock to 3 o’clock.

12 • Mass units

C • 2 300 g

2 kg = 2 000 g. Add 300 g.

13 • Order whole numbers

C • 50 068

Compare place values from the left; 50 068 is less than the other numbers.

14 • Pictograph key

D • 12

There are 6 circles for tūī. 6 × 2 = 12.

15 • Round a decimal

B • 47

The tenths digit is 7, so round up.

16 • Missing addend

7

15 - 8 = 7.

17 • Order fractions

D • 1/8

For equal wholes, eighths are smaller than halves or quarters.

18 • Whole-number subtraction

2 258

4 216 - 2 000 + 42 = 2 258.

19 • Read prices

B • Wrap

The wrap costs $6, the highest price.

20 • Combine prices

C • Soup and milk

4 + 3 = 7.

21 • Calculate change

B • $2

10 - (6 + 2) = 2.

22 • Estimate capacity

C • 10 litres

A bucket holds several litres, not a few millilitres or hundreds of litres.

23 • Compare bar values

A • 8

Football = 18 and tennis = 10. Difference = 8.

24 • Solid properties

A • Triangular prism

A triangular prism has two matching triangular ends and three rectangular sides.

25 • Round a count

C • 700

742 is closer to 700 than 800.

26 • Add counts

928

742 + 186 = 928.

27 • Half of a set

42

84 ÷ 2 = 42.

28 • Balanced equations

C • 20

Both sides must equal 220. 220 - 200 = 20.

29 • Irregular polygons

C • Irregular quadrilateral

It has four sides, but the sides and angles are not all equal.

30 • Find a whole

32 km

Four quarters make the whole: 8 × 4 = 32 km.

31 • Time after a duration

C • 3:45 pm

Add one hour to reach 3:20, then 25 minutes to reach 3:45.

32 • Hours to minutes

A • 85 minutes

60 + 25 = 85.

33 • Doubling sequence

A • 80

Double each term.

34 • Multiply in context

72

18 × 4 = 72.

35 • Reverse money problem

$9

The tickets cost 50 - 14 = $36. Divide by 4 to get $9.

Use the mistakes to plan practice

Number and operations
Check place value before choosing a method. Use counters, equal groups, a number line or a place-value chart. Ask learners to estimate and then check their answer.

Fractions and patterns
Use equal-sized wholes and equal parts. For patterns, say the rule aloud and test it on more than one step.

Measurement and geometry
Trace the outside edge for perimeter; count covering squares for area. Check the starting point and interval on a scale. Fold, turn or build a shape to test a claim.

Statistics and probability
Read the title, labels and key before calculating. Check what one dot, picture or scale interval represents. Relate chance to favourable outcomes out of all outcomes.

A fresh check
Choose two common gaps. Model one example, let students try a similar one, then change the context for an independent check. Use age-appropriate classroom resources; the existing SMART Mastery banks on the site are for Years 7 and 8.

Priority skills: _____

Students to revisit: _____

Next check date: _____