

Year 3: marking & next steps

Award one mark per question: 30 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 • Animal books

02 C • 12 squares

03 A • Star

04 7 cm

05 A • 70

06 C • $\frac{1}{2}$

07 32

08 A

09 B • 24

10 A • $8 + 4 = 15 - 2$

11 6

12 B • Hexagon

13 800

14 825

15 C • $\frac{1}{4}$

16 D • Cube

17 C • 10

18 B • Farm

19 B • Exactly one hour

20 C • Beach

21 D • D3

22 18

23 B • 8 kg

24 D • B and C

25 40 kg

26 A • 8

27 A • 350 mL

28 D • $\$5 + \$2 + 50c$

29 C • \$4.50

30 \$24

01 • Read a bar graph

D • Animal books

The animal-books bar is tallest: 8 books.

02 • Count area squares

C • 12 squares

Count 3 rows of 4 squares: $3 \times 4 = 12$.

03 • Repeating patterns

A • Star

The repeating group has three shapes. Star follows square.

04 • Measure length

7 cm

Read the endpoint at 7 cm.

05 • Expanded place value

A • 70

The tens part of 679 is 70.

06 • Compare unit fractions

C • $\frac{1}{2}$

For equal-sized wholes, halves are larger pieces than quarters, eighths or tenths.

07 • Multiplication facts

32

$4 \times 8 = 32$.

08 • Line symmetry

A

Line A is the vertical centre line. The other lines do not match both halves.

09 • Read tallies

B • 24

The rows show 6, 8 and 10 children; $6 + 8 + 10 = 24$.

10 • Equality

A • $8 + 4 = 15 - 2$

The left side is 12, but the right side is 13.

11 • Fraction of a set

6

Share 24 into four equal groups: $24 \div 4 = 6$.

12 • Name polygons

B • Hexagon

It has six straight sides.

13 • Round to hundreds

800

752 is past halfway between 700 and 800.

14 • Add whole numbers

825

$468 + 300 = 768$; add 57 to get 825.

15 • Equivalent fractions

C • $\frac{1}{4}$

Divide both the numerator and denominator by 2.

16 • Recognise solids

D • Cube

A cube has six equal square faces.

17 • Subtraction in context

C • 10

$17 - 7 = 10$.

18 • Read time data

B • Farm

65 minutes is the greatest time.

19 • Compare time with an hour

B • Exactly one hour

$30 + 30 = 60$ minutes, which is one hour.

20 • Compare durations

C • Beach

$20 + 10 = 30$ minutes, the beach route.

21 • Grid directions

D • D3

East moves from B to D. North moves from row 2 to row 3.

22 • Count a dot plot

18

Apple has 6, banana 5, pear 4 and plum 3. Total = 18.

23 • Multiply mass

B • 8 kg

4 bags $\times$ 2 kg = 8 kg.

24 • Compare total mass

D • B and C

Group B: $2 \times 5 = 10$ kg. Group C: $1 \times 10 = 10$ kg.

25 • Multi-step mass

40 kg

There are 4 bags altogether. $4 \times 10 = 40$ kg.

26 • Missing multiplication factor

A • 8

$4 \times 6 = 24$; $24 \div 3 = 8$.

27 • Subtract capacities

A • 350 mL

$600 - 250 = 350$ mL.

28 • Coin combinations

D • \$5 + \$2 + 50c

5 dollars + 2 dollars + 50 cents = \$7.50.

29 • Half a price

C • \$4.50

Half of 9 dollars is 4 dollars and 50 cents.

30 • Multiply and add costs

\$24

$4 \times \$3 = \12 and $3 \times \$4 = \12 ; total \$24.

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: _____