Year 5 maths: Multiplying and dividing (Hard)

Maths · Number
Level: Hard

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. What is 3 404 × 6?

Answer: ☐

Working:

2. A water company fills 8 tanks with 1 275 L in each. How many litres is that in all?

Circle one answer.

○ **A** 10 300 ○ **B** 10 200 ○ **C** 10 100 ○ **D** 8660

3. What number goes in the box? □ ÷ 9 = 14

Circle one answer.

○ **A** 126 ○ **B** 116 ○ **C** 5 ○ **D** 23

4. What is 84 ÷ 7?

Circle one answer.

○ **A** 13 ○ **B** 77 ○ **C** 12 ○ **D** 11

5. Which is a square number?

Circle one answer.

○ **A** 144 ○ **B** 150 ○ **C** 72 ○ **D** 124

6. Seven friends share $15.75 equally. How much does each friend get?

Circle one answer.

○ **A** $2.25 ○ **B** $2.30 ○ **C** $22.50 ○ **D** 7c

7. Nine children share $22.50 equally. How much does each child get? Give your answer in dollars.

Answer: $ ____

Working:

8. 12 eggs cost $7.20. How much do 18 eggs cost? Give your answer in dollars.

Answer: $ ____

Working:

9. 286 × 43 = ?

Answer: ____

Working:

10. Which number sentence is true?

Circle one answer.

○ **A** 25 ÷ 0 = 0 ○ **B** 0 ÷ 25 = 25 ○ **C** 25 × 0 = 25

○ **D** 0 × 25 = 0

Answer key

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1. 20 424

Partition 3404: 3000 × 6 = 18 000, 400 × 6 = 2400, 4 × 6 = 24. Add: 18 000 + 2400 + 24 = 20 424.

2. B — 10 200

Partition 1275: 1000 × 8 = 8000, 200 × 8 = 1600, 70 × 8 = 560, 5 × 8 = 40. Add: 8000 + 1600 + 560 + 40 = 10 200.

3. A — 126

Undo the division: 14 × 9 = 126. Check: 126 ÷ 9 = 14.

4. C — 12

7 × 12 = 84, so 84 ÷ 7 = 12.

5. A — 144

12 × 12 = 144. The other numbers are not a whole number times itself.

6. A — $2.25

$15.75 is 1575c. 1575 ÷ 7 = 225, so each gets $2.25.

7. $2.50

$22.50 is 2250c. 2250 ÷ 9 = 250, so each gets $2.50.

8. $10.80

Cost of 1: 720c ÷ 12 = 60c. Cost of 18: 60c × 18 = 1080c, which is $10.80.

9. 12 298

286 × 40 = 11 440 and 286 × 3 = 858. 11 440 + 858 = 12 298.

10. D — 0 × 25 = 0

Zero groups of 25 is 0. 25 × 0 = 0, and 0 ÷ 25 = 0 too.