

11+ Maths Practice Paper

Year 5 · Intermediate

Lesson 1.3: Rounding strategies

Read this with your child:

1. This paper has **24 questions** in two parts. Work through them in order. The questions get harder as you go.
2. **Part 1** is multiple choice. Choose **one** answer, A, B, C, D or E, and mark it on the separate answer sheet by drawing a firm line through the box next to its letter. If you change your mind, rub the line out completely and mark your new answer.
3. **Part 2** asks you to write your answer. Write it in the boxes on the answer sheet, **one digit in each box**, starting from the left.
4. If a question is hard, leave it and come back to it at the end.
5. You may use rough paper for working out. You may **not** use a calculator.
6. Suggested time: **30 minutes**.

The answer sheet is after the questions. The answers, with a short explanation of each, are at the back for a parent to mark with.

These are original practice questions written by Elite Learners in the style of 11+ entrance tests. They are not produced by, or connected with, GL Assessment or Cambridge University Press & Assessment (CEM).

Example

Round 2,368 to the nearest 100.

A 2,300

B 2,400

C 2,370

D 2,000

E 2,368

Answer: B The decider is the tens digit, 6, so round up: 2,400.

The answer, B, has already been marked on your answer sheet.

Now turn over and start Part 1.

Part 1: Multiple choice

1

Round 45,368 to the nearest 10.

- A 45,400 B 45,360 C 45,370 D 45,300 E 45,000

2

Round 45,368 to the nearest 100.

- A 46,000 B 45,300 C 45,370 D 45,000 E 45,400

3

Round 45,368 to the nearest 1000.

- A 45,000 B 46,000 C 45,400 D 50,000 E 45,300

4

Round 6.38 to the nearest whole number.

- A 7 B 6 C 6.4 D 6.3 E 6.38

5

Round 6.38 to 1 decimal place.

- A 7 B 6.3 C 6 D 6.4 E 6.5

6

Round 128,950 to the nearest 100.

- A 128,900 B 129,000 C 128,000 D 129,950 E 128,950

7

Round 4,649 to the nearest 100.

- A 5,000 B 4,700 C 4,650 D 4,600 E 4,640

8

Which number rounds to 3.5 to 1 decimal place?

- A 3.47 B 3.44 C 3.55 D 3.4 E 3.59

9

Round 72,500 to the nearest 1000.

- A 72,500 B 72,000 C 73,000 D 70,000 E 73,500
-

10

Round 9.96 to 1 decimal place.

- A 11.0 B 9.9 C 9.10 D 9.0 E 10.0
-

11

The population of a town is 37,482.

What is this to the nearest 1000?

- A 37,000 B 38,000 C 37,500 D 37,480 E 40,000
-

12

Which number rounds to 8,000 to the nearest 1000?

- A 8,600 B 8,500 C 7,499 D 8,409 E 9,000
-

13

Round 0.65 to the nearest whole number.

- A 0.7 B 0 C 1 D 0.6 E 0.65
-

14

Round 199,960 to the nearest 100.

- A 190,000 B 199,900 C 199,000 D 199,960 E 200,000
-

15

A whole number rounds to 380 to the nearest 10.

Which could it be?

- A 386 B 377 C 374 D 385 E 365
-

16

Round 5.049 to 1 decimal place.

- A 4.9 B 5.1 C 5.05 D 5.04 E 5.0
-

17

Round 3.456 to 2 decimal places.

A 3.45

B 3.46

C 3.5

D 3.456

E 3.4

18

Sam rounds 2,449 to the nearest 10, and then rounds that answer to the nearest 100. He gets 2,500.

What is the right answer for 2,449 to the nearest 100?

A 2,400

B 2,500

C 2,450

D 2,000

E 2,440

Part 2: Write your answer

19

Round 36,725 to the nearest 100.

Write your answer in the boxes on the answer sheet, one digit in each box.

20

Round 36,725 to the nearest 10.

Write your answer in the boxes on the answer sheet, one digit in each box.

21

Round 509,499 to the nearest 1000.

Write your answer in the boxes on the answer sheet, one digit in each box.

22

Round 24.5 to the nearest whole number.

Write your answer in the boxes on the answer sheet, one digit in each box.

23

What is the largest whole number that rounds to 600 to the nearest 100?

Write your answer in the boxes on the answer sheet, one digit in each box.

24

What is the smallest whole number that rounds to 7,000 to the nearest 1000?

Write your answer in the boxes on the answer sheet, one digit in each box.

Answer sheet

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Name

Draw a firm line through the box next to your answer, like the example.

Part 1: Multiple choice

Ex	A ☐	B ☒	C ☐	D ☐	E ☐
1	A ☐	B ☐	C ☐	D ☐	E ☐
2	A ☐	B ☐	C ☐	D ☐	E ☐
3	A ☐	B ☐	C ☐	D ☐	E ☐
4	A ☐	B ☐	C ☐	D ☐	E ☐
5	A ☐	B ☐	C ☐	D ☐	E ☐
6	A ☐	B ☐	C ☐	D ☐	E ☐
7	A ☐	B ☐	C ☐	D ☐	E ☐
8	A ☐	B ☐	C ☐	D ☐	E ☐
9	A ☐	B ☐	C ☐	D ☐	E ☐
10	A ☐	B ☐	C ☐	D ☐	E ☐
11	A ☐	B ☐	C ☐	D ☐	E ☐
12	A ☐	B ☐	C ☐	D ☐	E ☐
13	A ☐	B ☐	C ☐	D ☐	E ☐
14	A ☐	B ☐	C ☐	D ☐	E ☐
15	A ☐	B ☐	C ☐	D ☐	E ☐
16	A ☐	B ☐	C ☐	D ☐	E ☐
17	A ☐	B ☐	C ☐	D ☐	E ☐
18	A ☐	B ☐	C ☐	D ☐	E ☐

Part 2: Write your answer, one digit in each box

19						
20						
21						
22						
23						
24						

Answers

For a parent to mark with. One mark for each question: the paper is out of 24. Talk through any your child got wrong, using the explanation.

Q	Answer	How to get it
1	C 45,370	The decider is the ones digit, 8, so round up: 45,370.
2	E 45,400	The decider is the tens digit, 6, so round up: 45,400.
3	A 45,000	The decider is the hundreds digit, 3, so round down: 45,000.
4	B 6	The decider is the tenths digit, 3, so round down: 6.
5	D 6.4	Keep 1 digit after the point. The decider is 8, so round up: 6.4.
6	B 129,000	Halfway rounds up. 9 hundreds plus 1 is 10 hundreds, so 128 thousands become 129 thousands.
7	D 4,600	Round once. The decider is 4, so round down: 4,600. (Rounding to 4,650 first gives the wrong answer.)
8	A 3.47	3.47 rounds up to 3.5. 3.44 and 3.4 round to 3.4; 3.55 and 3.59 round to 3.6.
9	C 73,000	72,500 is halfway between 72,000 and 73,000. Halfway rounds up.
10	E 10.0	The decider is 6, so round up. 9 tenths become 10 tenths, which is 1 whole: 10.0.
11	A 37,000	The decider is the hundreds digit, 4, so round down: 37,000.
12	D 8,409	8,409 rounds down to 8,000. 8,500 and 8,600 round up to 9,000; 7,499 rounds to 7,000.
13	C 1	The decider is the tenths digit, 6, so round up: 1.
14	E 200,000	The decider is 6, so round up. 1,999 hundreds plus 1 is 2,000 hundreds: 200,000.
15	B 377	377 rounds up to 380. 374 and 365 round down to 370; 385 and 386 round up to 390.
16	E 5.0	Keep 1 digit after the point: 0. The decider is 4, so round down. Keep the 0: 5.0.
17	B 3.46	Keep 2 digits after the point. The decider is 6, so round up: 3.46.
18	A 2,400	Round once, from 2,449. The decider is 4, so round down: 2,400.
19	36,700	The decider is the tens digit, 2, so round down: 36,700.
20	36,730	The decider is 5, so round up: 36,730.
21	509,000	The decider is the hundreds digit, 4, so round down: 509,000.
22	25	24.5 is halfway between 24 and 25. Halfway rounds up.
23	649	650 is halfway and rounds up to 700, so the largest is 649.
24	6,500	6,500 is halfway, and halfway rounds up to 7,000.

Score: out of 24