

Multiply Decimals by Integers

1. Complete the multiplication below to find the missing number in the bar model.

| | | | | |
|---|--|---|--|--|
| | | . | | |
| x | | | | |
| | | | | |
| | | . | | |
| | | | | |
| | | | | |

| | | | |
|-------|-------|-------|-------|
| ? | | | |
| 6.281 | 6.281 | 6.281 | 6.281 |

VF

4. Connor has 3 sacks of flour containing 8.237kg each. He wants to know how much flour he has in total.

| | | | | | |
|---|---|---|---|---|---|
| | 8 | . | 2 | 3 | 7 |
| x | | | | | 3 |
| | | | | | |
| 2 | 4 | . | 6 | 9 | 1 |
| | | | | | |
| | | 1 | 2 | | |

What mistake has Connor made?
What is the correct answer?

R

2. Match each calculation to the correct product.

5.014 x 6

20.824

3.492 x 5

34.048

2.603 x 8

17.46

4.864 x 7

30.084

VF

5. Arrange the cards to create different multiplication calculations.

| | | | |
|-------|------|-------|------|
| 28.76 | 5.92 | 7 | 5 |
| 4.03 | 4 | 20.15 | 7.19 |

x =

How many calculations can you create?

PS

3. Use <, > or = to complete the statements below.

A. £4.53 x 9 £42.84

B. £21.89 £7.13 x 3

VF

6. Circle the odd one out.

A. 6.723 x 3

B. 3.482 x 6

C. 2.241 x 9

Explain your reasoning.

R

Multiply Decimals by Integers

1.

| | | | | | |
|---|---|---|---|---|---|
| | 6 | • | 2 | 8 | 1 |
| x | | | | | 4 |
| 2 | 5 | • | 1 | 2 | 4 |
| | 1 | 3 | | | |

| | | | |
|--------|-------|-------|-------|
| 25.124 | | | |
| 6.281 | 6.281 | 6.281 | 6.281 |

2.

| | |
|-----------|--------|
| 5.014 x 6 | 20.824 |
| 3.492 x 5 | 34.048 |
| 2.603 x 8 | 17.46 |
| 4.864 x 7 | 30.084 |

3. A. <; B. >
4. Connor has forgotten to add his exchanges. The correct answer is 24.711kg.
5. $7.19 \times 4 = 28.76$; $4.03 \times 5 = 20.15$
6. B is the odd one out because this equals 20.892. A and C both equal 20.169.