

Math

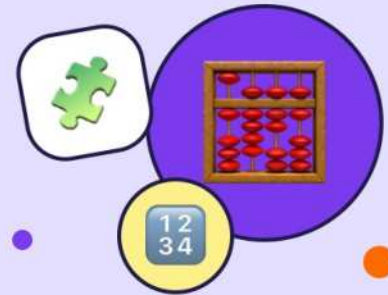
Grade 6

Operation order puzzles

Use brackets, powers, multiplication and division before adding and subtracting.



I can use the order of operations.



1



Put it in order

Number the boxes to put them in the right order.

☐

Multiply and divide

☐

Brackets

☐

Add and subtract

☐

Powers

2



Fill the gaps

Write the missing answer.

1. $5 + 2 \times 3 =$ _____

2. $(5 + 2) \times 3 =$ _____

3. $20 - 12 \div 4 =$ _____

4. $4^2 - 3 \times 2 =$ _____

5. $(18 \div 3 + 4) \times 2 =$ _____

3 True or false

Circle true or false.

1. $2 + 3 \times 4 = 20$

True

False

2. $(2 + 3) \times 4 = 20$

True

False

3. $10 - 6 \div 2 = 7$

True

False

4. $3^2 + 1 = 7$

True

False

4 Operation drill

Write the missing answer.

1. $6 + 4 \times 2 =$ _____

2. $(6 + 4) \times 2 =$ _____

3. $30 - 18 \div 3 =$ _____

4. $2^3 + 4 =$ _____

5. $(9 - 3)^2 \div 4 =$ _____

6. $7 \times (8 - 5) + 1 =$ _____

7. $48 \div (4 + 2) \times 3 =$ _____

8. $5 + 3^2 \times 2 =$ _____

5 Compare

Write $>$, $<$ or $=$ in each circle.

$(3 + 4) \times 5$



$3 + 4 \times 5$

$24 \div 4 - 2$



$24 \div (4 - 2)$

$10 - 2 \times 3$



2×2

2×3^2



$(2 \times 3)^2$

6 Match the answer

Draw a line to match each pair.

☐ $4 + 6 \div 2$ •

• A. 16

☐ $(4 + 6) \div 2$ •

• B. 7

☐ $4 \times 6 - 2$ •

• C. 22

☐ $4 \times (6 - 2)$ •

• D. 5

7 Pick the answer

Circle the right answer.

1. What do you work out first in $8 + 2 \times (6 - 1)$?

A $8 + 2$

B 2×6

C $6 - 1$

2. $12 - 3 \times 2 + 1 = ?$

A 19

B 7

C 5

3. Tickets cost 5 each. 3 adults and 2 children go, and parking costs 4. Which calculation gives the total?

A $(3 + 2) \times 5 + 4$

B $3 + 2 \times 5 + 4$

C $(3 + 2) \times (5 + 4)$

8 Think and write

Put brackets in $8 + 4 \times 3 - 1$ to make the answer 35. Show your working.

How did it go?



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Grade 6

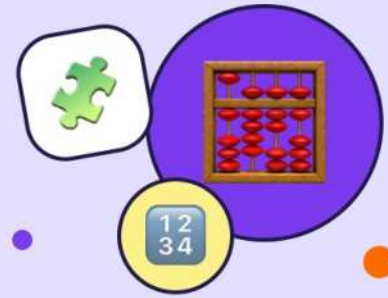
Answer key

Operation order puzzles

Use brackets, powers, multiplication and division before adding and subtracting.



I can use the order of operations.



1



Put it in order

Number the boxes to put them in the right order.

3

Multiply and divide

1

Brackets

4

Add and subtract

2

Powers

2



Fill the gaps

Write the missing answer.

1. $5 + 2 \times 3 =$ 11

2. $(5 + 2) \times 3 =$ 21

3. $20 - 12 \div 4 =$ 17

4. $4^2 - 3 \times 2 =$ 10

5. $(18 \div 3 + 4) \times 2 =$ 20

3 True or false

Circle true or false.

1. $2 + 3 \times 4 = 20$

True

False

2. $(2 + 3) \times 4 = 20$

True

False

3. $10 - 6 \div 2 = 7$

True

False

4. $3^2 + 1 = 7$

True

False

4 Operation drill

Write the missing answer.

1. $6 + 4 \times 2 =$ 14

2. $(6 + 4) \times 2 =$ 20

3. $30 - 18 \div 3 =$ 24

4. $2^3 + 4 =$ 12

5. $(9 - 3)^2 \div 4 =$ 9

6. $7 \times (8 - 5) + 1 =$ 22

7. $48 \div (4 + 2) \times 3 =$ 24

8. $5 + 3^2 \times 2 =$ 23

5 Compare

Write $>$, $<$ or $=$ in each circle.

$(3 + 4) \times 5$

$>$

$3 + 4 \times 5$

$24 \div 4 - 2$

$<$

$24 \div (4 - 2)$

$10 - 2 \times 3$

$=$

2×2

2×3^2

$<$

$(2 \times 3)^2$

6 Match the answer

Draw a line to match each pair.

B $4 + 6 \div 2$ ●

D $(4 + 6) \div 2$ ●

C $4 \times 6 - 2$ ●

A $4 \times (6 - 2)$ ●

● **A.** 16

● **B.** 7

● **C.** 22

● **D.** 5

7 Pick the answer

Circle the right answer.

1. What do you work out first in $8 + 2 \times (6 - 1)$?

A $8 + 2$

B 2×6

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2. $12 - 3 \times 2 + 1 = ?$

A 19

B 7

C 5

3. Tickets cost 5 each. 3 adults and 2 children go, and parking costs 4. Which calculation gives the total?

A $(3 + 2) \times 5 + 4$

B $3 + 2 \times 5 + 4$

C $(3 + 2) \times (5 + 4)$

8 Think and write

Put brackets in $8 + 4 \times 3 - 1$ to make the answer 35. Show your working.

How did it go?



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