

**Evaluate expressions with fractions**

- 1 Divide these numbers
 $\frac{9}{4}$

A	B	C
1.82	0.03	2.25
D	E	F
32.5	0.13	1.96

- 2 Add these fractions and simplify the answer

$$\frac{1}{2} + \frac{4}{6}$$

A	B	C
$\frac{1}{3}$	$1\frac{1}{2}$	$\frac{2}{3}$
D	E	F
$2\frac{1}{2}$	$1\frac{1}{6}$	2

- 3 Set up this fraction subtraction problem correctly

$$\frac{3}{5} - \frac{1}{10}$$

A	B
$\frac{6}{10} - \frac{1}{10}$	$\frac{8}{10} - \frac{1}{10}$
C	
$\frac{3}{10} - \frac{1}{10}$	

- 4 What is the value of this equation when $r=8$, $m=-5$

$$-4r - 6m$$

A	B
-2	$-2r$
C	D
$62r$	$4r - -2$
E	F
62	226

- 5 What is the value of this equation when $r=5$, $n=3$

$$2(5r - 5n)$$

A	B
170	$20r$
C	D
140	$5r - 20$
E	F
20	-125

- 6 What does this equation become when $m=8$, $z=77.8$

$$\frac{7m}{2z}$$

A	B
$\frac{77.8}{2 \cdot 7}$	$\frac{7-8}{2-7}$

- 7 What does this equation become when $n=7$, $d=2$, $p=6$

$$\frac{4n}{2d + 4p}$$

A	B
$\frac{4 \cdot 7}{2 \cdot 2 + 4 \cdot 6}$	$\frac{4+7}{2+2} + \frac{4+6}{5+20}$



Evaluate expressions with fractions

- 8** What does this equation become when $b=-6$, $y=4$, $n=6$

$$\frac{4b + 6n}{3y}$$

A

$$\frac{4 \cdot (-6) + 6 \cdot 6}{3 \cdot 4}$$

B

$$\frac{4 + (-6) + 6 + 6}{3 + 4}$$

- 9** What does this equation become when $n=-5$, $z=-2$, $x=-8$, $r=8$

$$\frac{4n}{2z} + \frac{6x}{2r}$$

A

$$\frac{4 \cdot (-5)}{2 \cdot (-2) - 6 \cdot (-8)}$$

B

$$\frac{4 \cdot (-5)}{2 \cdot (-2)} + \frac{6 \cdot (-8)}{2 \cdot 8}$$

- 10** What is the value of this equation when $z=4$, $c=5$

$$\frac{5z}{2c}$$

A

$$2$$

B

$$4$$

C

$$-2z$$

D

$$z^5 + 2$$

E

$$3$$

F

$$-130$$

- 11** What is the value of this equation when $x=7$, $n=3$, $d=-8$

$$\frac{6x}{6n + 3d}$$

A

$$-348$$

B

$$3$$

C

$$-7$$

D

$$6x - -7$$

E

$$-7x$$

F

$$2x$$

- 12** What is the value of this equation when $n=-6$, $b=2$

$$-\frac{4n}{3b}$$

A

$$3$$

B

$$-156$$

C

$$n^4 + 4$$

D

$$-4n$$

E

$$156$$

F

$$4$$

- 13** What is the value of this equation when $n=5$, $m=2$, $x=4$, $r=3$

$$\frac{4n}{2m} + \frac{6x}{2r}$$

A

$$104$$

B

$$9$$

C

$$-108$$

D

$$-2$$

E

$$4n - 9$$

F

$$9n$$