Directed Numbers

No Calculators!

Have a go at these and compare answers with your neighbours. Can you remember any 'rules' which might be helpful?

Question 1:	5 - 2 = <mark>3</mark>	Question 2:	- 3 - 7 = -10
Question 3:	- 4 + 6 = <mark>2</mark>	Question 4:	7 2 = 9
Question 5:	17 - 20 = - <mark>3</mark>	Question 6:	5 × - 2 = -10
Question 7:	- 3 × 4 = -12	Question 8:	- 7 × - 4 = 28
Question 9:	20 ÷ - 5 = -4	Question 10:	- 6 ÷ - 2 = 3

Rules?

More questions

Question 11:	- 7 + 5 = <mark>-2</mark>	Question 12:	8 10 = <mark>18</mark>
Question 13:	- 7 - 4 = -11	Question 14:	- 5 8 = 3
Question 15:	- 118 + 43 = -75	Question 16:	- 7 × - 8 = <mark>56</mark>
Question 17:	2 × - 7 = -14	Question 18:	- 15 × 3 = -45
Question 19:	- 12 ÷ 6 = <mark>-2</mark>	Question 20:	- 18 ÷ - 3 = 6

Extra Questions

Question 21:	2.7 - 7.2 = -4.5	Question 22:	- 8 17 = 9
Question 23:	- 3.1 - 4.6 - 5 = -12.7	Question 24:	- 443 + 17 - 63 = <mark>-489</mark>
Question 25:	- 2 × - 6.9 = <mark>13.8</mark>	Question 26:	$-3 \times -5 \times -2 = -30$
Question 27:	4.8 ÷ - 1.6 = -3	Question 28:	$3 \times -12 \div 4 = -9$
Question 29:	$6 + 8 \div 2 - 3 \times - 5 = 25$	Question 30:	$-1.86.8 \div -2 = -5.2$

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Challenge: 12 \div 4 \div 2 \times 3 = 4.5? Also try putting in brackets?
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With brackets:  (12 \div 4) \div (2 \times 3) = 3 \div 6 = \frac{1}{2} 
12 \div (4 \div 2) \times 3 = 12 \div 2 \times 3 = 6 \times 3 = 18 
(12 \div 4 \div 2) \times 3 = 1\frac{1}{2} \times 3 = 4\frac{1}{2}
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Are there any more possibilities?

e.g.
$$12 \div (4 \div 2 \times 3) = 12 \div 6 = 2$$