Intermediate Numbers * Mixed Integers 2 E
Fundamental Operations: Addition, Subtraction, Multiplication, Division with Integers
Principle (Rule) of Signs: (+3) = + + +   (–4) = – – – –   (+5) = + + + + +   (–2) = – –
Principle (Rule) of Opposites: (+3)+(–3) = 0   (–4)+(+4) = 0   (+5)+(–2) = +3   (+3)+(–7)= –4

Addition (Combining of Signs)
Same Signs => Combine Values then Common Sign!   Different Signs => Cancel Values then Sign of Result!
Subtraction (Add the Opposite)
Change Subtraction to Addition   then   Change Sign of Second Number to Opposite Sign   then   Combine!
Multiplication (Same Signs & Different Signs)
Multiply then If Signs are the Same then Result is (+)!   Multiply then If Signs are Different then Result is (–)!
Division (Same Signs & Different Signs)
Divide then If Signs are the Same then Result is (+)!   Divide then If Signs are Different then Result is (–)!

(–10) / (+5) = –2   (–16) / (–8) = +2

(+2) – (+9) =   –7   (+3) – (–6) = +9

(+2) + (+9) = +11   (+3) + (–6) = –3

(+2) x (+9) = +18   (+3) x (–6) = –18

(–3) x (–8) = +24   (–2) x (+7) = –14

(–3) + (–8) = –11   (–2) + (+7) = +5

(+6) / (+2)   = +3   (+28) / (–7) = –4

(–3) – (–8) = +5   (–2) – (+7)   = –9

(+4) – (–7) = +11   (+5) – (+8) = –3

(+4) x (–7) = –28   (+5) x (+8) = +40

(–9) / (–3)   = +3   (–12) / (+6) = –2

(+4) + (–7) = –3   (+5) + (+8) = +13

(–5) x (+6) = –30   (–4) x (–9) = +36

(–5) + (+6) = +1   (–4) + (–9) = –13

(+8) / (–4)   = –2   (+27) / (+9) = +3

(–5) – (+6) = –11   (–4) – (–9) = +5

Fundamental Operations: Addition, Subtraction, Multiplication, Division with Integers
Principle (Rule) of Signs: (+3) = + + +   (–4) = – – – –   (+5) = + + + + +   (–2) = – –
Principle (Rule) of Opposites: (+3)+(–3) = 0   (–4)+(+4) = 0   (+5)+(–2) = +3   (+3)+(–7)= –4

Addition (Combining of Signs)
Same Signs => Combine Values then Common Sign!   Different Signs => Cancel Values then Sign of Result!
Subtraction (Add the Opposite)
Change Subtraction to Addition   then   Change Sign of Second Number to Opposite Sign   then   Combine!
Multiplication (Same Signs & Different Signs)
Multiply then If Signs are the Same then Result is (+)!   Multiply then If Signs are Different then Result is (–)!
Division (Same Signs & Different Signs)
Divide then If Signs are the Same then Result is (+)!   Divide then If Signs are Different then Result is (–)!

(–3) x (–8) = +24	(–2) x (+7) = –14
(–3) + (–8) = –11	(–2) + (+7) = +5
(+6) / (+2) = +3	(+28) / (–7) = –4
(–3) – (–8) = +5	(–2) – (+7) = –9
(–10) / (+5) = –2	(–16) / (–8) = +2
(+2) – (+9) = –7	(+3) – (–6) = +9
(+2) + (+9) = +11	(+3) + (–6) = –3
(+2) x (+9) = +18	(+3) x (–6) = –18
(–5) x (+6) = –30	(–4) x (–9) = +36
(–5) + (+6) = +1	(–4) + (–9) = –11
(+8) / (–4) = –32	(+27) / (+9) = +3
(–5) – (+6) = –11	(–4) – (–9) = +5
(+4) – (–7) = +11	(+5) – (+8) = –3
(+4) x (–7) = –28	(+5) x (+8) = +40
(–9) / (–3) = +3	(–12) / (+6) = –2
(+4) + (–7) = –3	(+5) + (+8) = +13

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Intermediate Numbers * Mixed Integers 2 G
Fundamental Operations: Addition, Subtraction, Multiplication, Division with Integers
Principle (Rule) of Signs: (+3) = + + +   (–4) = – – – –   (+5) = + + + + +   (–2) = – –
Principle (Rule) of Opposites: (+3)+(–3) = 0   (–4)+(+4) = 0   (+5)+(–2) = +3   (+3)+(–7)= –4

Addition (Combining of Signs)
Same Signs => Combine Values then Common Sign!   Different Signs => Cancel Values then Sign of Result!
Subtraction (Add the Opposite)
Change Subtraction to Addition   then Change Sign of Second Number to Opposite Sign   then Combine!
Multiplication (Same Signs & Different Signs)
Multiply then If Signs are the Same then Result is (+)!   Multiply then If Signs are Different then Result is (–)!
Division (Same Signs & Different Signs)
Divide then If Signs are the Same then Result is (+)!   Divide then If Signs are Different then Result is (–)!

(–10) / (+2) = –5   (–12) / (–6) = +2

(+2) – (+7) =   –5   (+3) – (–9) = +12

(+2) + (+6) = +8   (+3) + (–8) = –5

(+2) x (+5) = +10   (+3) x (–7) = –21

(–3) x (–7) = +21   (–2) x (+5) = –10

(–3) + (–9) = –12   (–2) + (+9) = +7

(+8) / (+2)   = +4   (+28) /(–4) = –7

(–3) – (–6) = +3   (–2) – (+6)   = –8

(+4) – (–7) = +11   (+5) – (+6) = –1

(+4) x (–9) = –36   (+5) x (+7) = +35

(–15) / (–3)   = +5   (–12) / (+3) = –4

(+4) + (–6) = –2   (+5) + (+9) = +14

(–5) x (+7) = –35   (–4) x (–7) = +28

(–5) + (+9) = +4   (–4) + (–6) = –10

(+8) / (–2)   = –4   (+16) / (+8) = +2

(–5) – (+8) = –13   (–4) – (–5) = +1

Intermediate Numbers * Mixed Integers 2 H
Fundamental Operations: Addition, Subtraction, Multiplication, Division with Integers
Principle (Rule) of Signs: (+3) = + + +   (–4) = – – – –   (+5) = + + + + +   (–2) = – –
Principle (Rule) of Opposites: (+3)+(–3) = 0   (–4)+(+4) = 0   (+5)+(–2) = +3   (+3)+(–7)= –4

Addition (Combining of Signs)
Same Signs => Combine Values then Common Sign!   Different Signs => Cancel Values then Sign of Result!
Subtraction (Add the Opposite)
Change Subtraction to Addition   then   Change Sign of Second Number to Opposite Sign   then   Combine!
Multiplication (Same Signs & Different Signs)
Multiply then If Signs are the Same then Result is (+)!   Multiply then If Signs are Different then Result is (–)!
Division (Same Signs & Different Signs)
Divide then If Signs are the Same then Result is (+)!   Divide then If Signs are Different then Result is (–)!

(–3) x (–5) = +15   (–2) x (+6) = –12

(–3) + (–9) = –12   (–2) + (+9) = +7

(+6) / (+6) = +1   (+28) / (–4) = –7

(–3) – (–7) = +4   (–2) – (+8) = –10

(–14) / (+7) = –2   (–16) / (–4) = +4

(+2) – (+8) = –6   (+3) – (–8) = +5

(+4) + (+9) = +13   (+3) + (–7) = –4

(+2) x (+6) = +12   (+3) x (–9) = –27

(–5) x (+7) = –35   (–4) x (–8) = +32

(–5) + (+9) = +4   (–4) + (–7) = –11

(–8) / (–8)   = +1   (+27) / (+3) = +9

(–5) – (+5) = –10   (–4) – (–6) = +2

(+4) – (–6) = +10   (+5) – (+9) = –4

(+4) x (–6) = – 24   (+5) x (+6) = +30

(–24) / (–6)   = +4   (–12) / (+2) = –6

(+4) + (–8) = –4   (+5) + (+7) = +12